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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564,417	01/11/2006	Yong-Hun Lee	NEK-0008	NEK-0008 9507	
23413 CANTOR COI	7590 01/11/2008 BURN LLP		EXAMINER RABAGO, ROBERTO		
20 Church Stre	•				
22nd Floor Hartford, CT 0	6103		ART UNIT PAPER NUMBER		
,			1796		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/564,417	LEE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Roberto Rábago	1796	
The MAILING DATE of this communication of the Period for Reply	ation appears on the cover sheet wi	th the correspondence addr	ess
A SHORTENED STATUTORY PERIOD FO WHICHEVER IS LONGER, FROM THE MA - Extensions of time may be available under the provisions of after SIX (6) MONTHS, from the mailing date of this commur - If NO period for reply is specified above, the maximum statu - Failure to reply within the set or extended period for reply within the set	ILING DATE OF THIS COMMUNIC 37 CFR 1.136(a). In no event, however, may a re- nication. Itory period will apply and will expire SIX (6) MON ill, by statute, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this command the comment of the comm	
Status	•		
 Responsive to communication(s) filed This action is FINAL. Since this application is in condition for closed in accordance with the practice 	o) This action is non-final. or allowance except for formal matte	·	nerits is
Disposition of Claims			
4) ⊠ Claim(s) 1-14 is/are pending in the ap 4a) Of the above claim(s) is/are 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-14 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction	withdrawn from consideration.	·	<u>.</u>
Application Papers			
9) The specification is objected to by the 10) The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the second of	a) accepted or b) objected to lion to the drawing(s) be held in abeyangle correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR	· · · ·
Priority under 35 U.S.C. § 119			
	ocuments have been received. ocuments have been received in A f the priority documents have been al Bureau (PCT Rule 17.2(a)).	pplication No received in this National St	tage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTC 2) Information Displayure Statement(s) (PTO/SR/09)	O-948) Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application	
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:		

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 1-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- (a) In claims 1 and 10 (and all claims dependent thereon), it cannot be determined whether "5-15 wt%" applies to the crosslinking agent alone, or the crosslinking agent in combination with the alkyl acrylate monomer, or the alkyl acrylate crosslinked polymer.
- (b) In claims 1 and 10 (and all claims dependent thereon), the only polymer recited is that resulting in the "alkyl acrylate crosslinked polymer". In claim 1, no specific relationship between the polymer (A) and the monomers of (B) and (C) can be determined because nothing is mentioned. Specifically, it cannot be determined whether the intended scope is, as written, a composition of the polymer of (A) with the monomers of (B) and (C), or whether (B) and (C) are actually polymerized. Claim 10 has essentially the same problem, in that the only monomer stated to be polymerized is that which results in the alkyl acrylate crosslinked polymer. The other method steps are merely addition of reagents, with no specific polymerization mentioned. It would appear

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that the intended scope is one where all monomers are polymerized at some point, but the specific language of the claims precludes clear determination of the claimed scope.

- (c) In claim 1 (and claims 1-9 as dependent thereon), the intended weight% of alkyl acrylate is indefinite because the alkyl acrylate of (A) is the same as that of (C).
- (d) In claim 1 (and claims 1-6, 8 and 9 as dependent thereon), the intended weight% of alkyl methacrylate is indefinite because the methyl methacrylate of (B) could also be the alkyl methacrylate of (C).
- 3. Due to the numerous issues of indefiniteness which affect all of the claims, search and consideration of the prior art, including applicants' IDS, will be deferred until the scope of the claims is better defined.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberto Rábago whose telephone number is (571) 272-1109. The examiner can normally be reached on Monday Friday from 8:00 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Roberto Rábago **Primary Examiner** Art Unit 1796

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RR January 5, 2008